From: Becher, Kent
To: Miller, Garyg
Subject: Re: FW: San Jacinto
Date: Thursday, April 28, 2016 9:36:47 AM

Great info here. I was just thinking about trying to find some cap info for the geophysics folks. I will share this info with them.

Kent Becher
Hydrologist
USGS Technical Liaison EPA Region 6 Superfund Division
USGS North Texas Water Science Center
2775 Alta Mesa Blvd.
Fort Worth, TX 76133
(817) 263-9545 ext. 204
(817) 253-0356 (cell)

On Thu, Apr 28, 2016 at 9:32 AM, Miller, Garyg <Miller.Garyg@epa.gov> wrote:

> OK, great! The goal of the survey, if possible, would be to find if the required cover thickness is present.
>
> FYI, the attached figure has some information on the cap. Generally; most of the Western Cell is dry at high tide, and most of the Eastern Cell is underwater at high tide but partially exposed at low tide. Approximately 1/3 of the cap (around the perimeter) is underwater at all times with a maximum depth of about 15 feet. The cap thickness varies from one to two feet, and parts have geotextile under the rock cover, parts have geotextile plus geomembrane, and parts (generally the permantely underwater parts, have neither. The underwater parts do have a gravel mix material mixed with the armor stone to provide a filter layer. Sections of the armor cover are natural stone & other parts are recycled concrete.
>
> Thanks, for your help,
>
> Gary Miller
>
> Remedial Project Manager
>
> EPA Region 6 – Superfund Division (6SF-RA)
>
> 214-665-8318
>
> miller.garyg@epa.gov

From: Becher, Kent [mailto:kdbecher@usgs.gov]
Sent: Thursday, April 28, 2016 8:52 AM
To: Miller, Garyg <Miller.Garyg@epa.gov>
Cc: Sanchez, Carlos <sanchez.carlos@epa.gov>; Kent Becher <kdbecher@usgs.gov>
Subject: Re: FW: San Jacinto

Hi Gary,

I am actually planning on coming over to EPA sometime next week to move out of my cube. I think it might be best if we get a few of our geophysicists together and have a conference call. Let me check with them. I am thinking that maybe even a webex would be good to show you want can be done via surface geophysics.

Kent Becher

Hydrologist

USGS Technical Liaison EPA Region 6 Superfund Division

USGS North Texas Water Science Center

2775 Alta Mesa Blvd.

Fort Worth, TX 76133

(817) 263-9545 ext. 204

(817) 253-0356 (cell)

On Thu, Apr 28, 2016 at 7:02 AM, Miller, Garyg <Miller.Garyg@epa.gov> wrote:

> Kent,
>
> Yes, I'd like to talk with you about this. Can you be at the EPA office sometime Mon-
>
> Wed of next week? Or, if not, we could talk by phone.
>
> Thanks,

Gary Miller

Remedial Project Manager

EPA Region 6 – Superfund Division (6SF-RA)

214-665-8318

miller.garyg@epa.gov

From: Meyer, John
Sent: Monday, April 25, 2016 1:56 PM
To: Miller, Garyg <Miller.Garyg@epa.gov>; Sanchez, Carlos <sanchez.carlos@epa.gov>
Subject: FW: San Jacinto

Gary,

Fyi. Kent thought there may be a good opportunity here for geophysical methods.

John C Meyer

Remedial Branch Chief

Superfund Division

214.665.6742

From: Becher, Kent [mailto:kdbecher@usgs.gov]
Sent: Monday, April 25, 2016 1:12 PM
To: Meyer, John <Meyer.John@epa.gov>
Subject: San Jacinto

Hi John,

It was good to see you last week out at Longhorn. Anyhow, I was just thinking about the question you asked me about probing the cover at San Jacinto. I am still thinking that some surface geophysics might be able to determine areas where there are lapses in the liner or cover. I mentioned it to Jon Thomas one of our geophysicists and he even thought you might be able to determine if there was any fluid differences depending on the conductivity of the material.

Anyhow, if you are interested in possibly pursuing the use of geophysics on the cap, please let me know. I can get Jon and others on board to answer your questions.

Take care.

Kent Becher

Hydrologist

USGS Technical Liaison EPA Region 6 Superfund Division

USGS North Texas Water Science Center

2775 Alta Mesa Blvd.

Fort Worth, TX 76133

(817) 263-9545 ext. 204

(817) 253-0356 (cell)